

## CALCULATION OF PLANNING DISTANCE

### Tuckerton Terminal

- Average velocity for USGS stream gauge at Reading from 10/88 to 2/97 = 1.758ft/sec
- $1.758\text{ft/sec} \times 0.68\text{sec-mile/hr-ft} \times 27\text{ hours} = 32.3\text{ miles}$  downstream distance.
- Sensitive area less than 2 miles downstream (#PA00680: Laurel Run)
- Sensitive areas at 5.25 miles downstream (#PA00924 & 694: Tulpehocken & Lower Tulpehocken Creek)
- Surface water intake at 25.3 miles downstream (SDWI#729: Pottstown Water Authority)

### Phonecon 3/18/97 @11:15am

Mr. Bob Helm (USGS-Harrisburg, PA-(717) 730-6916/6908)  
Stream gauge located 200 feet downstream from Penn Street in Reading (Lat/Long:40-20-05,75-56-12). Info received 4/1/97.